7-24-05 Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE are required to respond to a collection of information unless it displays a valid OMB control number. Application Number 10/050,373 Filing Date January 15, 2002 First Named Inventor FORM Gurtej S. Sandhu, et al Art Unit 2813 Examiner Name Laura M. Schillinger (to be used for all correspondence after initial filing) Attorney Docket Number MI22-1896 Total Number of Pages in This Submission **ENCLOSURES** (Check all that apply) After Allowance Communication to TC Fee Transmittal Form Drawing(s) Appeal Communication to Board Licensing-related Papers Fee Attached of Appeals and Interferences Appeal Communication to TC Petition Amendment/Reply (Appeal Notice, Brief, Reply Brief) Petition to Convert to a Proprietary Information After Final Provisional Application Power of Attorney, Revocation Status Letter Affidavits/declaration(s) Change of Correspondence Address Other Enclosure(s) (please Identify Terminal Disclaimer Extension of Time Request below): PTO Return Receipt Postcard Request for Refund Express Abandonment Request Form PTO-1449 with copies of five cited Supplemental Information Disclosure Statement references CD, Number of CD(s) Landscape Table on CD Certified Copy of Priority Remarks Document(s) Customer No. 021567 Reply to Missing Parts/ Incomplete Application NO FEE IS REQUIRED with this filing. However, should it be determined that a fee is due and Reply to Missing Parts owing, please charge such fee to Deposit Account No. 23-0925 under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Name Wells St. J. Signature Printed name Robert C.

CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: Signature Sent via Express Mail, Receipt No. EV 550718549 US Date July 27, 2005

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46.791

Date

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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Alexandria, VA 22313-1450

From:

Robert C. Hyta

Wells St. John P.S.

601 W. First Avenue, Suite 1300 Spokane, WA 99201-3828

(Tel. 509-624-4276; Fax 509-838-3424)

Dear Sir:

The attached Form PTO-1449 is submitted in compliance with 37 C.F.R. § 1.56. Pursuant to Federal Register Vol. 69, No. 182, pg. 56542 (September 21, 2004), no copies of any cited U.S. patents or U.S. published applications are included herewith. Copies of all other cited art references, if any, are attached. No admission is made regarding whether all the submitted references are prior art.

This Supplemental Information Disclosure Statement is being filed after the filing of the Request for Continued Examination (RCE) Application and before receipt of the first Office Action. Therefore, no fee is believed to be required. However, in the event that a fee is required for filing this Supplemental Information Disclosure Statement, please charge the fee specified under 37 C.F.R. §1.17(p) to Deposit Account No. 23-0925. Please credit Deposit Account No. 23-0925 with any overpayment of the above fee.

By:

Citation of these references is respectfully requested.

Respectfyfly submitted,

Dated: 7/25/05

Robert C. Hyta Reg. No. 46,791

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U.S. PATEN	JF DOC	CUMENTS								
*Examiner's Initials		Document Number	Date	Name		Class	Subcl	lass	Filing If Appro	
	AA	3,627,598	12/1971	McDonald, et al.						
	AB	4,254,161	03/1981	Kemlage						
	AC	4,262,631	04/1981	Kubacki						
	AD	4,435,447	03/1984	Ito, et al.				,		
	AE	4,882,649	11/1989	Chen, et al.						
	AF	4,891,684	01/1990	Nishioka, et al						
	AG	4,980,307	12/1990	Ito, et al.						
	АН	4,996,081	02/1991	Ellul, et al.						
	AI	5,051,794	09/1991	Mori						
FOREIGN F	PATEN	T DOCUMENTS		1		1				
		Document Number	Date	rate Country		Class	Subcl	lass	Trans Yes	slation No
	AJ	EP 0886308 A2	12/1998	Europe						
	AK	237243 a	04/2001	Japan (ASM America,	Inc.)					
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OTHER RE	FEREN	NCES (including Author,	, Title, Date, Pr	ertinent Pages, Etc.)			<u></u>			
	АМ	Wolf, Stanley, pages 648-9.	Wolf, Stanley, "Silicon Processing for the VLSI Era, Volume 3: The Submicron pages 648-9.					Lattic	ce Press, 1	1995,
			Laughery, et al, "Effect of H₂ Content on Reliability of Electron Device Letters, September, 2000, Volume 2			team Ger	nerated	SSI) t	G) SiO₂, E	:EE
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	NI DOC	CUMENTS						
Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing If Appr	Date opriate
	AA	5,142,438	08/1992	Reinberg, et al.				
	AB	5,227,651	07/1993	Kim, et al.				
	AC	5,237,188	08/1993	lwai, et al.				
	AD	5,324,679	06/1994	Kim, et al.				-
	AE	5,330,936	07/1994	Ishitanti				
	AF	5,350,707	09/1994	Ko, et al.				
	AG	5,376,593	12/1994	Sandhu, et al.				
	AH	5,393,702	02/1995	Yang, et al.				
	Al	5,397,748	03/1995	Watanabe, et al.				
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GROUP 2813

*Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing If Appro	Date opriate
	AA	5,398,641	03/1995	Shih				
	AB	5,459,105	10/1995	Matsuura				
	AC	5,498,890	03/1996	Kim, et al.				
	AD	5,504,029	04/1996	Murata, et al.				
	AE	5,508,542	04/1996	Geiss, et al.				
	AF	5,523,596	06/1996	Ohi, et al.				
	AG	5,731,235	03/1998	Srinvasan, et al.		-		
	АН	5,821,142	10/1998	Sung, et al.				
	Al	5,844,771	12/1998	Graettinger, et al.				
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FILING DATE

GROUP

January 15, 2002 2813 U.S. PATENT DOCUMENTS *Examiner's Document Date Name Class Subclass Filing Date Initials Number If Appropriate 5,851,603 12/1998 Tsai, et al. AB 5,882,978 03/1999 Srinivasan, et al. AC 12/1999 6,001,741 Alers AD 6,001,748 12/1999 Tanaka 6,008,104 12/1999 Schrems AF 6,051,865 04/2000 Gardner, et al. AG 06/2000 6,063,713 Doan 6,077,754 06/2000 Srinivasan, et al. 6,090,597 08/2000 Tsu, et al. FOREIGN PATENT DOCUMENTS Document Date Country Class Subclass Translation Number No AJ AL OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.) АМ AO **EXAMINER** DATE CONSIDERED

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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

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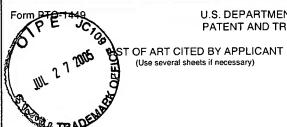
GROUP 2813

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*Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing If Appro	Date opriate
	AA	6,111,744	08/2000	Doan				
	AB	6,168,980	01/2001	Yamazaki, et al.				
	AC	6,207,985 B1	03/2001	Walker				
	AD	6,323,138 B1	11/2001	Doan				
	AE	6,348,420 B1	02/2002	Raaijmakers, et al.				
	AF	6,265,327	07/2001	Kobayashi, et al.				
	AG	6,350,707 B1	02/2002	Liu, et al.				
	АН	6,723,599 B2	04/2004	Eppich, et al.				No.
	AI	6,893,981 B2	05/2005	Park, et al.				
FOREIGN	PATENT	DOCUMENTS						
		Document	Date	Country	Class	Subclass	Trans	lation
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CESTRADENT DOCUMENTS *Examiner's Document Date Name Class Subclass Filing Date Initials Number If Appropriate 2001/0036752 11/2001 DeBoer, et al. AB 2002/0009861 08/1998 Narwankar, et al. AÇ 2002/0052124 05/2002 Raaijmakers, et al. AD 2003/0034518A1 02/2003 Yoshikawa AG FOREIGN PATENT DOCUMENTS Document Date Country Class Subclass Translation Number No ΑJ OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.) AM AO **EXAMINER** DATE CONSIDERED

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